

PROJECT DESCRIPTION

GENERAL

THIS PORTION OF THE PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL DUE TO THE GEOMETRIC IMPROVEMENTS AT THE INTERSECTION OF MD ROUTE 658 AND I-68 OFF RAMP IN ALLEGANY COUNTY. THE SIGNAL MODIFICATION INCLUDES THE RELOCATION OF EXISTING CABINET AND CONROLLER. MD 658 RUNS IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

1. NORMAL OPERATION

THE INTERSECTION WILL OPERATE IN A NEMA FOUR PHASE, FULL TRAFFIC ACTUATED MODE. THE MD 658 APPROACHES WILL OPERATE CONCURRENTLY AND I-68 OFF RAMP APPROACH WILL OPERATE ALONE. SOUTHBOUND MD ROUTE 658 WILL HAVE AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE.

2. SPECIAL OPERATION

THE INTERSECTION WILL OPERATE AS INDICATED ABOVE UNLESS THE OPTICOM DETECTOR LOCATED AT THE INTERSECTION OF MD 658 AND I-68/MD 49 IS ACTUATED BY THE SOUTHBOUND MD 658 APPROACH. THIS WILL PRE-EMPTY BOTH SIGNALS BY THE INTERCONNECT CABLE. THIS WILL STOP ALL APPROACHES EXCEPT FOR THE SOUTHBOUND MOVEMENTS AT BOTH INTERSECTIONS.

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE SHA.

CAT CODE	ITEM	QUANTITY	DESCRIPTION
			NO EQUIPMENT

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CAT CODE	ITEM	QUANTITY	DESCRIPTION
801004	3	CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
800000	125	LF	FURNISH AND INSTALL 2 INCH SCH 80 RIGID PVC CONDUIT - TRENCHED
800000	105	LF	FURNISH AND INSTALL 4 INCH SCH 80 RIGID PVC CONDUIT - TRENCHED
837001	1	EA	FURNISH AND INSTALL GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH
802501	10	LF	FURNISH AND INSTALL NO 6 AWG STRANDED BARE COPPER GROUND WIRE
861117	85	LF	FURNISH AND INSTALL ELECTRICAL CABLE - 3 WIRE (NO 4 AWG)
800000	1	EA	REMOVE AND DISPOSE OF EXISTING FOUNDATION 12 INCHES BELOW GRADE
873001	1	LS	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT
800000	1280	LF	PULL BACK EXISTING CABLE/WIRE AND RE-INSTALL INTO CONDUIT RUN

PROJECT CONTACTS

THE CONTACT PERSONS FOR DISTRICT #6 ARE AS FOLLOWS:

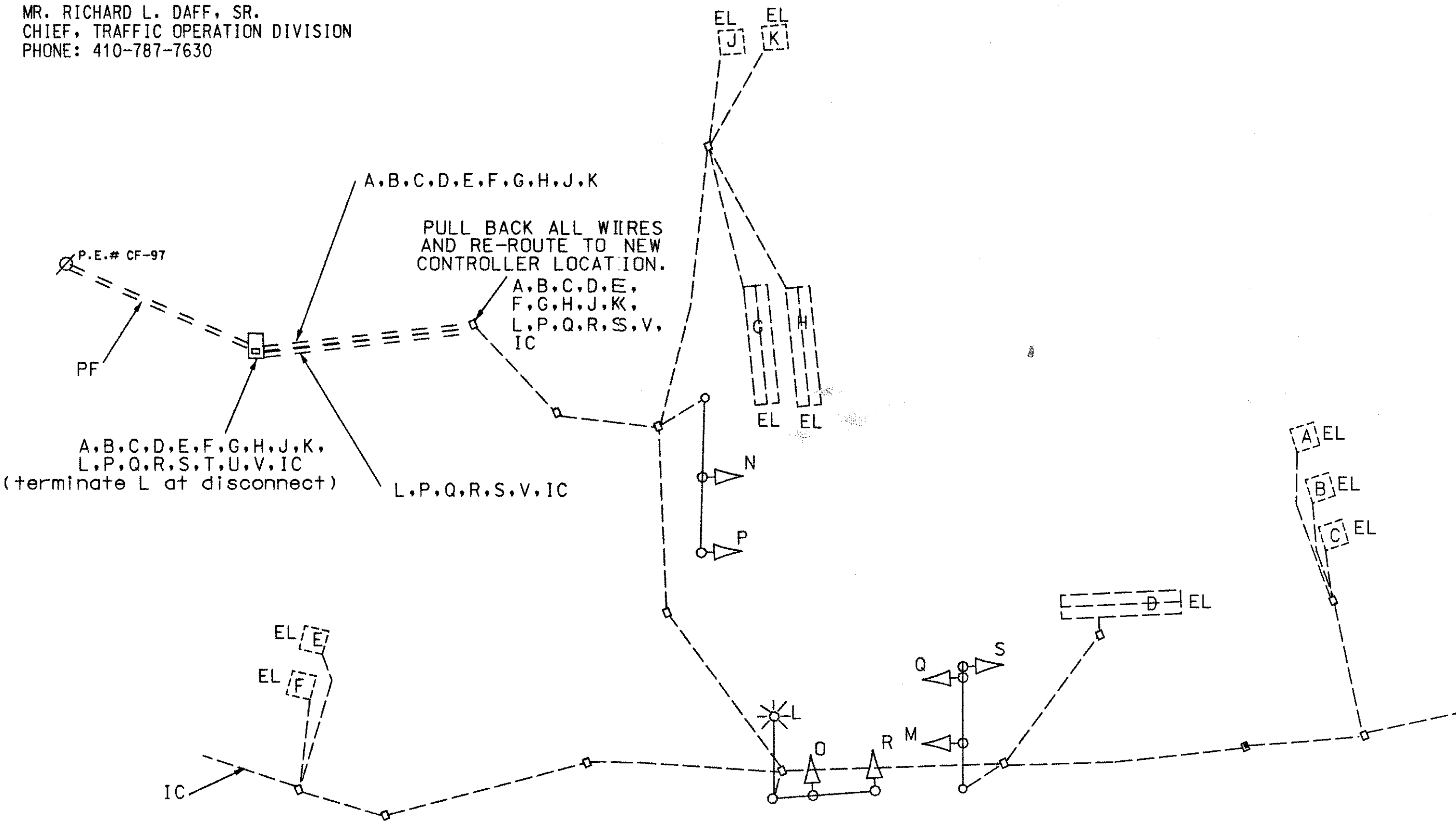
MR. FRED CROZIER  
DISTRICT ENGINEER  
PHONE: 301-729-8486

MR. LARRY HUMBERTSON  
DISTRICT UTILITY ENGINEER  
PHONE: 301-729-8439

MR. GEORGE SMALL  
ASSISTANCE DISTRICT ENGINEER-TRAFFIC  
PHONE: 301-729-8444

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATION DIVISION  
PHONE: 410-787-7630

MR. GEORGE FRANKENBERRY  
ASSISTANT DISTRICT ENGINEER-MAINTENANCE  
PHONE: 301-729-8457



WIRING KEY

- A,B,C,D,E,F, — 2 CONDUCTOR ALUMINUM SHIELDED (NO. 14 AWG)
- G,H,J,K — 5 CONDUCTOR (NO. 14 AWG)
- N,O,P — 7 CONDUCTOR (NO. 14 AWG)
- P,Q,R,S — 3 WIRE (NO. 4 AWG)
- T — 3 WIRE (NO. 8 AWG) (LIGHTING)
- V — STRANDED BARE COPPER GROUND WIRE (NO. 6 AWG)
- IC — EXISTING INTERCONNECT CABLE
- PF — PROPOSED UNDERGROUND FEED-BY ALLEGANY POWER
- EL — EXISTING LOOP WIRE

SG-6

BAI BRUDIS & ASSOCIATES, INC.  
CONSULTING ENGINEERS  
9220 RUNSEY ROAD, SUITE 210  
COLUMBIA, MARYLAND 21045  
(410)-884-3607

REVISIONS		APPROVALS	
		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
		ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	
GEOMETRIC IMPROVEMENTS FOR A AN ACCEL LANE ON MD 658. 07/2001 SHA No. ALB41975		MAM	
MARYLAND DOT - STATE HIGHWAY ADMINISTRATION Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION MD 658 (VOCKE ROAD) AND I-68 OFF RAMP E/B		DRAWN BY: B.F. CHECKED BY: R.M. SCALE: N.T.S. DATE: 3.22.1992	
F.A.P. NO. S.H.A. NO. COUNTY: ALLEGANY LOG MILE: 010658.00.63		TS NO. TS 4258 G T.I.M.S. NO. E-098 SHEET NO. 35 OF 56	